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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Tamir Ben-David, et al.
U.S. Serial No. : 10/719,659
Filed : November 20, 2003
For : SELECTIVE NERVE FIBER STIMULATION FOR TREATING HEART CONDITIONS

30 Rockefeller Plaza
New York, New York 10112
December 15, 2008

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Commissioner for Patents
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In order to ensure compliance with applicants' duty of disclosure under 37 C.F.R. §1.56 and §1.97(a)-(d), applicants request that the following documents be considered and made of record in the above-identified application which is listed on Form PTO-1449, attached hereto as **Exhibit A**.

1. Akselrod, S. et al., (1981) "Power spectrum analysis of heart rate fluctuation: A quantitative probe of beat-to-beat cardiovascular control," *Science* 213:220-222 (**Exhibit 1**);
2. Billette, J. et al., (1975) "Roles of the AV junction in determining the ventricular response to atrial fibrillation," *Canadian Journal of Physiological Pharmacology* 53(4):575-585 (**Exhibit 2**);
3. Borovikova, L. et al., (May 25, 2000) "Vagus nerve stimulation attenuates the systemic inflammatory response to endotoxin," *Nature* 405:458-462 (**Exhibit 3**);
4. De Ferrari, G. et al., (1991) "Vagal reflexes and survival during acute myocardial ischemia in conscious dogs with healed myocardial infarction," *American Journal of Physiology* 261(1 Pt 2):H63-H69 (**Exhibit 4**);

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5. Deurloo, K. et al., (1998) "Transverse tripolar stimulation of peripheral nerve: a modeling study of spatial selectivity," *Medical & Biological Engineering & Computing* 36(1):66-74 (**Exhibit 5**);
6. Feliciano, L. and Henning, R., (1998) "Vagal nerve stimulation releases vasoactive intestinal peptide which significantly increases coronary artery blood flow," *Cardiovascular Research* 40:45-55 (**Exhibit 6**);
7. Goodall, E. et al., (1996) "Position-selective activation of peripheral nerve fibers with a cuff electrode," *IEEE Transactions on Biomedical Engineering* 43(8):851-856 (**Exhibit 7**);
8. Grill, W., (1997) "Inversion of the current-distance relationship by transient depolarization," *IEEE Transactions on Biomedical Engineering* 44(1):1-9 (**Exhibit 8**);
9. Higgins, C. et al., (1973) "Parasympathetic control of the heart," *Pharmacological Reviews* 25(1):120-155 (**Exhibit 9**);
10. Iwao, T. et al., (2000) "Effect of constant and intermittent vagal stimulation on the heart rate and heart rate variability in rabbits," *Japanese Journal of Physiology* 50:33-39 (**Exhibit 10**);
11. Jones, J. et al., (1998) "Activity of C fibre cardiac vagal efferents in anaesthetized cats and rats", *Journal of Physiology* 507(3):869-880 (**Exhibit 11**);
12. Jones, J. et al., (1995) "Heart rate responses to selective stimulation of cardiac vagal C fibres in anaesthetized cats, rats and rabbits" *Journal of Physiology* 489(1):203-214 (**Exhibit 12**);
13. Kamath, M. et al., (1992) "Effect of vagal nerve electrostimulation on the power spectrum of heart rate variability in man," *PACE* 15:235-243 (**Exhibit 13**);
14. Levy, M. and Blattberg, B., (February 1976) "Effect of vagal stimulation on the overflow of norepinephrine into the coronary sinus during sympathetic nerve stimulation in the dog," *Circulation Research* 38(2):81-85 (**Exhibit 14**);
15. Martin, P. et al., (1983) "Phasic effects of repetitive vagal stimulation on atrial contraction," *Circulation Research* 52(6):657-663 (**Exhibit 15**);
16. Morady, F. et al., (1990) "Effects of resting vagal tone on accessory atrioventricular connections," *Circulation* 81(1):86-90 (**Exhibit 16**);

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17. Mushahwar, V. and Korch, K., (2000) "Muscle recruitment through electrical stimulation of the lumbo-sacral spinal cord," *IEEE Transactions on Rehabilitation Engineering* 8(1):9-22 (**Exhibit 17**);
18. Randall, W. ed., (1977) "Neural Regulation of the Heart", *Oxford University Press*, particularly pages 100-106 (**Exhibit 18**);
19. Rattay, F., (1989) "Analysis of models for extracellular fiber stimulation," *IEEE Transactions on Biomedical Engineering* 36(2):676-681 (**Exhibit 19**);
20. Rijkhoff, N. et al., (1994) "Acute animal studies on the use of anodal block to reduce urethral resistance in sacral root stimulation," *IEEE Transactions on Rehabilitation Engineering* 2(2):92-99 (**Exhibit 20**);
21. Stramba-Badiale, M., (1991) et al., "Sympathetic-Parasympathetic Interaction and Accentuated Antagonism in Conscious Dogs," *American Journal of Physiology* 260 (2Pt 2):H335-340 (**Exhibit 21**);
22. Tarver, W. et al., (1992) "Clinical experience with a helical bipolar stimulating lead," *Pace* 15(October, Part II):1545-1156 (**Exhibit 22**);
23. Vanoli, E. et al., (1991) "Vagal stimulation and prevention of sudden death in conscious dogs with a healed myocardial infarction," *Circulation Research* 68(5):1471-1481 (**Exhibit 23**);
24. Veraart, C. et al., (1993) "Selective control of muscle activation with a multipolar nerve cuff electrode," *IEEE Transactions on Biomedical Engineering* 40(7):640-653 (**Exhibit 24**);
25. Wang, H. et al., (2003) "Nicotinic acetylcholine receptor alpha-7 subunit is an essential regulator of inflammation," *Nature* 421:384-388 (**Exhibit 25**);
26. Waninger, M. et al., (2000) "Electrophysiological control of ventricular rate during atrial fibrillation," *PACE* 23:1239-1244 (**Exhibit 26**).

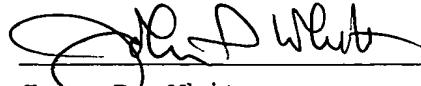
Copies of documents numbers 1-26 are attached hereto as **Exhibits 1-26**.

A fee of ONE-HUNDRED AND EIGHTY DOLLARS (\$180.00) is due in connection with the filing of this Information Disclosure Statement which is being filed after the issuance of a Non-Final

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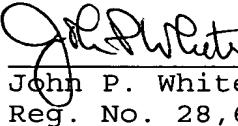
Office Action on the merits on October 30, 2008. If any other fee is required, authorization is hereby given to charge the amount of such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:
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